



Master T 245 ACDC GM

MST245ACDCGM

A professional multi-voltage ACDC TIG welder delivers 240 A from a 1-phase 230 V power supply. Suitable for generator use.

Technical data

Description	Value
Mains connection voltage	220...240 V \pm 10 %
Mains connection voltage (MV low range)	110...120 V \pm 10 %
Mains connection phases	1~50/60 Hz
Mains connection cable type	3G, H07RN-F
Mains connection cable size	2.5 mm ²
Rated maximum input power [S1max]	6 kVA
Mains fuse	16 A

Description	Value
Mains fuse (@MV low range)	16 A
Idle power	20 W
Output, duty cycle % at rated max. current, TIG	30 %
Output at +40 °C, rated max current, TIG	240 A
Output at +40 °C, 60% TIG	200 A
Output at +40 °C, 100% TIG	170 A
Output, duty cycle % at rated max. current, MMA	37 %
Output at +40 °C, rated max current, MMA	180 A
Output at +40 °C, 60% MMA	150 A
Output at +40 °C, 100% MMA	120 A
Output, duty cycle % at rated max. current, TIG (@MV low range)	40 %
Output at +40 °C, rated max current, TIG (@MV low range)	130 A
Output at +40 °C, 60% TIG (@MV low range)	120 A
Output at +40 °C, 100% TIG (@MV low range)	90 A
Output, duty cycle % at rated max. current, MMA (@MV low range)	40 %
Output at +40 °C, rated max current, MMA (@MV low range)	85 A
Output at +40 °C, 60% MMA (@MV low range)	75 A
Output at +40 °C, 100% MMA (@MV low range)	55 A
Output range, TIG	5 A / 1 V ... 240 A / 30 V
Output range, MMA	10 A / 10 V ... 180 A / 40 V
Output range, TIG (@MV low range)	5 A / 1 V ... 130 A / 24 V
Output range, MMA (@MV low range)	10 A / 10 V ... 85 A / 35 V
Power factor at rated maximum current [λ]	0.99
Efficiency at rated maximum current [η]	84 %
EMC class	A
Arc-on signal for relay	24 V / 50 mA
Stick electrode diameter	1.6 ... 5 mm
Voltage supply for cooling unit	220...240 V
Welding connection type	R1/4
Wired communication type	Analog, Kemppi Remote-Bus
Wireless communication type	Bluetooth

Description	Value
Transmitter frequency and power	2400...2483.5 MHz, 10 dBm
Operating temperature	-20 ... 40 °C
Storage temperature	-40 ... 60 °C
Recommended minimum generator power [Sgen]	8 kVA
Degree of protection (fully installed)	IP23
External dimensions, length	544 mm
External dimensions, width	205 mm
External dimensions, height	443 mm
Weight without accessories	19.1 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1